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CLEANED-UP VERSION OF SPECIFICATION

5 TITLE OF THE INVENTION

ELECTRIC DRIVE DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority to DE 102 42 833.6, which was filed
September 14, 2002, the contents of which are incorporated by reference in their
10 entirety.

BACKGROUND OF THE INVENTION

The invention concerns an electric drive device.

A large number of electric drive devices are known on the basis of the
state of the art. Hence, one distinguishes direct current motors from three phase
15 current motors and synchronous motors from asynchronous motors on the basis
of the state of the art.

The so-called transverse flow motor represents a completely new concept
for such an electric drive device in comparison with the previously common
electric drive devices. Transverse flow motors allow optimizing important
20 characteristics of electric drive devices, namely achieving a compact
construction, restricting the mass and therewith the weight, as well as
simultaneously guaranteeing a high power density and therewith higher
efficiency of the electric drive device.

SUMMARY OF THE INVENTION

25 The present invention concerns the area of transverse flow motors.

The present invention is based upon the problem of creating an improved
electric drive device, namely an improved transverse flow motor.

This problem is solved by an electric drive as described within the
specification and claims.

30 Preferred refinements of the invention emerge from the specification and
claims.